

## HEATING COOKING APPLIANCE

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**Inventor:** KODAMA SATOSHI; AKIYOSHI MITSUO; MITSUMOTO YOSHIO; WATANABE KENJI; TANAKA MASAFUMI; TSUJIMOTO MASAJI  
**Applicant:** MATSUSHITA ELECTRIC IND CO LTD  
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### Abstract of JP1023021

**PURPOSE:** To prevent poor insulation of a heater and increase of the temperature of an outer box to a high value, by a method wherein the whole surface of a surfaceform heater is covered with a heat insulating plate located between the upper part of the outer box and a planar heater, and is inclined such that the level of a front part is increased and that of a rear part is decreased, the upper part of the rear part of the planar heater is bent in an adhering manner to bring a heater surface into a pressure contact with the heater.

**CONSTITUTION:** A heat insulating plate 13 is situated between the upper part of an outer box 2 and an upper heater 3 placed to the upper part of a heating chamber 1 such that the level of a front part, i.e. the door side, is increased and that of a rear part is decreased. Cooling air to cool a magnetron 9 and a control device 12 is guided to the heating chamber 1, and is discharged through an exhaust hole 6 to the outside together with steam and gas generated during cooking. Leaks through a gap occurs in a route, the steam is adhered to the upper part of the outer box 2 to form waterdrops, which is dropped on a heat insulating plate 13, flows down to the rear part of the heating chamber, and drained through a drain hole 14, formed in the bottom of the outer box 2, to the outside. An adhesion bending part 16 is situated to the upper part of the upper heater 3 and at the rear part of the heat insulating plate 13, and is formed in a manner to make pressure contact with the heater. Even when, during cooking, the ceiling wall of the heating chamber 1 and the upper heater 3 are thermally expanded, adhesion of the ceiling wall of the heating chamber 1 to the upper heater 3 is always uniform, and local heating is prevented from occurring.

